

Meeting Minutes
Diversion Effects on Fishery Populations Team (DEFPT)
May 7, 1998
9:30 to 4:00pm

Action Items

- 1) Species teams will send their draft matrixes and narratives to Ron by Friday ,May 15th.
- 2) Drafts will attempt to answer primary questions 1,2,3 and 5 listed in the May 7th DEFPT memo to policy.
- 3) Ron will combine and disseminate to all the team members by Monday, May 18th.
- 4) Ron will set up an e-mail reflector for the DEFPT
- 5) Next Meeting, Wednesday, May 20th, 9:30 - 4:00, Room 335 Resources Building.

Schedule

- Draft matrices by species with supporting logic..... May 15
- Final matrices by species..... May 31
- Draft white paper on issues and impacts..... June 15
- Presentation to Management Team..... June 29 or 30
- Presentation to Policy Team..... July 14 & 15
- Presentation to BDAC..... July 16

Review of Delta Smelt Matrix

- 1. All alternatives were evaluated with Common Programs included.
- 2. All scores are on an absolute bases, i.e. they have not been compared to No-action. Team will do math comparison later.
- 3. Suggested that on entrainment verses hydrodynamic effects may want to split hydrodynamic effects into River Inflow and Delta Export.
- 4. Questions on the relationship of Food Supply and Water Quality Toxic during wet and dry years. Food supply benefit comes from common programs?
- 5. For comparison purposes water quality salinity was defined as X2.
- 6. Will modify alternative 1 and complete Alternatives 2 and 3 using new DSM model runs.

Review of Salmon Matrix

- 1. Questioned is there any way to relate QWEST to hydrodynamic scores, since QWEST represents relates to several effects?
- 2. Impacts were based on the number of fish in the system.
- 3. Did not split the analysis of Wet and Dry years, but considered them in the overall score of each impact area.
- 4. **Issue: Is unaccounted for salmon related to reverse flows? Is there a known relationship?**

5. In analysis kept salinity constant and varied flow.
6. **Issue: Is greater salinity at collinsville better for salmon? How far off would our evaluation be if we hold salinity constant and vary flows? (Check: ?and Rice studies)**
7. Deferred looking at toxics.
8. Need to clarify screening components in alternative 1.
9. Need to know how often DCC is open for water quality and flood control
10. What creates greater survival in the interior Delta? Flow patterns or flow magnitudes?
11. Need to carry through losses at screens in example.
12. Need to reevaluate the 7.9% loss in example.
13. Are we double accounting impacts on reverse flows (QWEST) vs entrainment?
14. Need to separate components of flow in QWEST for alternative 2.
15. Are we focusing too much on exports in our evaluation?

Striped Bass

Because of team member commitments and vacations the team just started revising its preliminary matrix.

General

1. Need to account for uncertainty in matrix and narrative. If only address in narrative may give wrong impression in matrix.
2. It was suggest that direct mortality is closely associated with and near the export pumps and could be divided into four categories 1) pre-screen predation, including CCF, 2) entrainment mortality at the screens, including impingement and predation after screening and before salvage, 3) salvage and handling, and 4) post-release predation.

Modeling

Gary Bardini will provide a matrix that summarizes the credits for ERPP flows. He is also preparing another summary modeling report update that we will get to the teams this week. Gary is willing to answer any questions you have on modeling. His number: (916) 653-3051 or e-mail gbardini@water.ca.gov.

Draft Issues and Impacts

Each species team will send their draft matrixes and narrative to Ron by Friday, May 15th. He will combine them distribute them to all team members by Monday, May 18th, so they can be ready to comment at the Wednesday meeting on May 20th.

A suggested format:

- Describe your thought process and logic in development of the impact matrixes.
- What we know and don't know.
- What's our level of certainty/un-certainty
- Who participated in the species team.

- Narrative interpretation of the results of the matrix
 - ▶ What life stages are effected , when and where?
 - ▶ What portion of the population is effected?
- Address the questions 1,2,3 and 5 in the draft memo to policy:
 1. Which species, populations, and life stages are most sensitive to diversion effects under no action and alternatives 1, 2, and 3? When and where are they most affected?
 2. Can diversion effects in the South Delta be offset by habitat improvements and other common program actions?
 3. To what extent can alternatives 1, 2, and 3 offset diversions effects as presently configured?
 4. Not addressed now.....
 5. What is the risk and chances of success of species recovery for each alternative?

Next Meeting

Wednesday, May 20th, 9:30 - 4:00, Room 335 Resources Building. Purpose is to discuss the draft matrixes and interpretation and the process to complete a draft white paper by July 15th.